

Serial No. 10/805,830

IN THE SPECIFICATION

Page 1, lines 4-11 have been amended as follows:

This invention is to provide a paintball gun anti-blocking device, ~~which is~~ to proceed the actuation of such paintball gun, wherein ~~actuation toward the guns that requires to make an~~ infra-red receiver and infra-red ~~shooter emitter settled~~ inside ~~the inner portion of~~ a gun tube and also above and below ~~the upper and lower position of~~ a trigger have to be on the ~~formation of~~ the status of "ON" ~~of which the lights are shielded,~~ and ~~[[the]]~~ messages thereof ~~[[are]]~~ sent to a substrate of a gun body, ~~thus making it so that the bolt sleeved in the gun tube is enabled~~ enable to proceed with the motion of shooting the paintball ~~by the gun machine sleeved on the end portion of the gun tube.~~

Page 1, line 13 through page 2, line 2 have been amended as follows:

The manufacturers develop to manufacture ~~the status of a~~ paintball gun ~~assemble body,~~ assemblies in order to achieve ~~the motion of~~ shooting of a paintball safely. Specifically, usually a detection ~~[[&]]~~ and touching switch ~~will be~~ is usually assembled on ~~the position of~~ a trigger of the gun or inside a gun tube, ~~while the.~~ One current form of assembly of said detection ~~[[&]]~~ and touching switch is using ~~in general; one is to assemble~~ a micro-actuating switch assembled on the predetermined position or orientation of the trigger of the gun. The to be the ~~touch~~ micro-actuating switch is touched while after a user's hand pressed the trigger is pressed so as to transfer ~~which transfers~~ the message onto a substrate of the gun body so as to make a bolt ~~which makes the trigger settled~~ inside the gun tube shoot ~~could proceed~~ the paintball which falls into the normal shooting position. ~~However to proceed the motion of actuation by shooting; however,~~ the restore force of such micro-actuating switch is by means of a spring which ~~[[is]]~~ tended easily to be elastic tired after being used ~~using~~ one period of time. Another current form of assembly ~~one~~ is ~~by adopting the assembly of~~ a sensor inside the gun tube ~~which is~~ near the bottom ~~lateral~~ such that when the paintball falls into the normal position of shooting, the messages could be transferred onto the substrate of the gun body ~~[[to be]]~~ and in cooperation with the trigger to shoot ~~the normal shooting~~ the paintball normally ~~after press the trigger.~~

Serial No. 10/805,830

Page 2, lines 4-13 have been amended as follows:

This invention is to provide an another anti-blocking device ~~in accordance with the above-mentioned detection mechanism of~~ sensing if the paintball enters into a the normal shooting position ~~when the paintball gun is proceed shooting so that a to make the~~ user, when shooting with the paintball gun, could detect exactly if the paintball is in completes the normal shooting position ~~of waiting~~ for shooting ~~[[or]]~~ and sensing the actuation ~~of by~~ triggering the trigger. ~~An by means of the blocking switch formed by the~~ infra-red receiver and infra-red emitter ~~shooter settled inside the inner portion of~~ the gun tube and above and below the upper and lower position of the trigger, respectively, ~~[[to]]~~ transfer the message to the substrate of the gun body to be the basis of actuation for the gun bolt to shoot the paintball.

Page 2, lines 14-27 have been amended as follows:

The object of this invention is to provide ~~an a first~~ infra-red receiver and emitter ~~shooting means on the section~~ near the bottom ~~of the predetermined portion~~ of an inner wall of a gun tube to detect if a paintball enters into the normal position. When the lights on both ends are electronically interconnecting, when a paintball enters the normal position of which it the first infra-red receiver and emitter will form a status of "OFF". If the bomb knocking message of "OFF" status, while if the lights on both ends are blocked by a paintball, [[it]] the first infra-red receiver and emitter will form a status the message of "ON" which means it is O.K. to be ready to shoot. A second ; meanwhile there also settles the infra-red receiver and emitter shooting means which is connected to from the substrate are provided on the moving limit upper and lower position opposite positions of the trigger to be the means that detects detect if the trigger has been pressed. An triggered to press onto the position of the status of bomb knocking which forms "OFF" message is formed when the second infra-red receiver and emitter both lights are interconnecting, while it will form an "ON" message is formed to show which means it is under shoot-able status when the second infra-red receiver and emitter both lights are to be blocked. Thereby, ; by means of this to be the basis of actuation of the bolt to shoot of shooting the paintball by the trigger when the paintball gun is used to proceed shooting based upon the first and second infra-red receivers and emitters.

Serial No. 10/805,830

Page 3, lines 9-11 have been amended as follows:

FIG. 4 is a cross sectional view of the paintball gun according to section line 11-11 of FIG. 3; and

FIG. 5 is an enlarged detailed view of encircled area 12 of FIG. 3.

Page 3, line 13 through page 4, line 8 have been amended as follows:

This invention provides an anti-blocking device for a paintball gun 1. Referring to FIGS. 1 and 2, ~~which is mainly to settle~~ an infra-red receiver 71 and an infra-red emitter shooter 72 covered by ~~[[with]]~~ light-filtration mirrors 75 and 76 ~~covered on~~ ~~[[the]]~~ their outer peripheral peripheries are mounted on ~~of~~ both sides ~~ends~~ of an inner tube wall of a gun tube 2. ~~A on the front end position near a bolt gun machine~~ 3 of ~~[[a]]~~ the gun tube 2 ~~which~~ allocates paintballs on in the ~~[[a]]~~ paintball gun 1. ~~The, the preferred embodiment for the~~ infra-red receiver 71 and the infra-red shooter emitter 72 ~~[[is]]~~ are preferably installed to install on the position near one-third of the ~~[[1/3]]~~ height of the lower portion of the inner tube wall of the gun tube 2, as illustrated at the left of FIG. 4. One end of conducting wires 73 and 74 of the receiver 71 and the emitter shooter 72 are connected ~~also connect~~ onto a substrate 5 assembled inside a gun body 4. Fore and rear bundle bodies 42 and 43 are inserted into a holding cavity 41 of the gun body 4 on a position contacting with, ~~besides, the paintball gun 1 is used to control to sleeve into a trigger 6 for controlling the actuation of actuating by the bolt gun machine 3 inside the rear-section tube diameter of the inner tube wall of the gun tube 2. A inner-moving touch and the corresponding position of the gun-body 4, there sleeves onto fore-and-rear bundle bodies 42 and 43 between a holding cavity 41 wherein containing a pin body 44 which is movably contained between the fore and rear bundle bodies 42 and 43. The freely-to-move up-and-down, said pin body 44 has having a hole 441 penetrating through the top and the bottom of the pin body 44 on a the predetermined section. An, meanwhile an elastic element 45 is clipped between one end of the pin body 44 and the rear bundle body 43 such that the pin body 44 is elastically pushed outwardly could form the shape of outer-prop in elasticity by the elastic element 45. The other, on one end of the pin body 44 there is penetrates a hole 421 of penetrating through the fore bundle body 42. An; besides, an infra-red receiver 81 and an infra-red emitter shooter 82 connected to from the substrate 5 are respectively settled above~~

Serial No. 10/805,830

~~and below on the upper and lower orientation according to the position of~~ the hole 441 of the pin body 44 ~~upon while~~ the trigger 6 ~~being is~~ un-pressed.

Page 4, lines 9-24 have been amended as follows:

For ~~such practice of~~ shooting ~~actuation of~~ the paintball gun 1 in which the gun tube 2 and the trigger 6 are respectively assembled with infra-red receivers and infra-red emitters and shooters, referring to FIG. 3, ~~a user fills up~~ paintballs 9 are filled inside a loader 21. As ~~As~~ ~~[[, as]]~~ illustrated at the left of FIG. 4, the paintballs 9 in the loader 21 will fall into the normal shooting position ~~of shooting~~ of the gun tube 2 in sequence. ~~Thus, thus, it will form the status of "ON"~~ ~~of which both lights for~~ the infra-red receiver 71 and infra-red shooter emitter 72 assembled on both sides of the inner tube wall walls of the gun tube 2 are ~~[[to be]]~~ shielded by the paintball 9 in the gun tube 2 to form the status of "ON". ~~Said, said~~ message will be transferred onto the inner substrate 5 of the gun body 4 through the conducting wires 73 and 74. ~~When, next, the user will press~~ the trigger 6 is pressed and with his or her finger, as illustrated at the right of FIG. 5, ~~thus for~~ the infra-red receiver 81 and infra-red emitter shooter 82 assembled above and below ~~on the upper and lower position of~~ the trigger 6 ~~it is at the status of "ON"~~ that both lights are to be shielded by the pin body 44 to form the status of "ON". ~~Said, said~~ message will be transferred onto the ~~inner~~ substrate 5 inside of the gun body 4 through the conducting wires 83 and 84. With the "ON" status of receivers 71 and 82 and emitters 72 and 82, thus promoting the bolt gun machine 3 sleeved on the end of in the gun tube 2 ~~could will~~ proceed ~~actuation of~~ shooting ~~toward~~ the paintball 9 ~~[[on]] in~~ the normal shooting position.

Page 4, line 25 through page 5, line 6 have been amended as follows:

In addition, when the paintball 9 inside the loader 21 does not fall into the normal shooting position ~~of shooting~~ in the gun tube 2 successfully, as illustrated at the right of FIG. 4, ~~such that~~ the infra-red receiver 71 and infra-red shooter emitter 72 assembled on both sides of the inner wall walls of the gun tube 2 are interconnected by light to ~~[[will]]~~ form the status of "OFF". ~~Said of which both lights are interconnecting, said~~ message will be transferred onto the substrate 5 of the gun body 4 through the conducting wires 73 and 74. ~~Thus, so that~~ even if the user presses and/or triggers the trigger 6 ~~with his or her finger~~, it is ~~still~~ impossible to

Serial No. 10/805,830

permit the bolt 3 in the gun tube 2 to proceed the actuation of shooting toward the gun machine 3 on the end of the gun tube 2.

Page 5, lines 7-13 have been amended as follows:

The paintball gun anti-blocking device according to this invention can be provided with a could settle another third switch on the ~~inner~~ substrate 5 inside of the gun body 4 so as to the function of cut-off the function of the infra-red receiver 71 and infra-red emitter shooter 72 on both sides of the inner wall walls of the gun tube 2. Thus, when the user cleans proceeds the motion of clean-up the paintball gun 1, which it is [[also]] possible to press and trigger the trigger 6 ~~from his or her finger~~ to drive the bolt gun machine 3 on the end of in the gun tube 2 to proceed with the motion of shooting ~~actuation~~.

Page 5, lines 14-26 have been amended as follows:

Besides Additionally, when the trigger 6 is pressed, the movable active pin body 44 of the gun body 4 against the settled on the touch portion of the corresponding trigger 6 of the gun body 4 located on the paintball gun anti-blocking device according to this invention, the hole 441 penetrating through the top and the bottom of the pin body 44 could also be changed or modified into the normal trigger 6 wherein while it at the status of non-press down it forms the status "OFF" of which it blocking blocks the infra-red receiver 81 and infra-red emitter shooter 82 to form the status of "ON". Alternatively, which forms the message of the bomb, besides, when the trigger 6 is not pressed and triggered ~~by the finger~~ and moves the pin body 44 inwardly moves outwardly by the elastic member 45, the hole 441 penetrating through the top and the bottom of the pin body 44 ~~will form the status of "ON" that the lights are aligned with and interconnecting for~~ the infra-red receiver 81 and infra-red emitter shooter 82 are interconnected by light to turn the status of "OFF". Said message will be transferred to transfer itself onto the inner substrate 5 of the gun body 4 as the basis of shooting by the bolt gun machine 3 on the end of in the gun tube 2.